

GP-303433

## SURFACE TEXTURE CONFIGURATION FOR CVT PULLEY

### ABSTRACT OF THE DISCLOSURE

A pulley engageable with a belt for use in a continuously variable transmission includes first and second pulley halves rotatable about an axis and relatively moveable in a direction of the axis. The pulley halves include truncated conical portions symmetrically opposed to each other and outer surfaces which are axially opposed to each other and sloped relative to the axis. The outer surfaces have a circumferential roughness average ( $R_{a,y}$ ) measured in a direction (y) circumferential to the axis between approximately 0.15 and 1.0 micrometer. The outer surfaces have a radial roughness average ( $R_{a,x}$ ) measured in a direction (x) radial to the axis, and a ratio  $R_{a,x}/R_{a,y}$  between approximately 0.5 and 2.5.